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Publications Issued in 1963

BOOKS AND REPORTS

High-Pressure Measurement
International Developments in Heat Transfer, Proceedings of the 1961–1962 Heat Transfer Conference
International Research in Production Engineering
Joint International Conference on Creep
Multi-Phase Flow Symposium
Random Vibration in Mechanical Systems
Theory and Fundamental Research in Heat Transfer
Use of Models and Scaling in Shock and Vibration

AMERICAN STANDARDS

Cast-Bronze Solder-Joint Pressure Fittings
Class 5 Interference—Fit Thread
Dimensioning and Notes
Gas Transmission and Distribution Systems
Machine Tapers
Ring-Joint Gaskets and Grooves for Steel Pipe Flanges
Terminology for Automatic Control
Track Bolts and Nuts
Wrought-Copper and Wrought-Bronze Solder-Joint Fittings

How to Find Papers Presented at 1963 ASME Meetings

THE technical programs of the meetings of the Society and of its Professional Divisions have been published in *Mechanical Engineering* and may be located by consulting the index on pages SR-93 to SR-121. Many of these papers will be published in *Mechanical Engineering* or the *Transactions* and may be located by reference to the indexes of these publications.

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Letter Symbols for Gear Engineering (B6.5—1954), $1.50
Spur Gear Tooth Form (B6.1—1932), $1.50
System for Straight Bevel Gears (B6.13—1955), $1.50
20-Degree Involute Fine-Pitch System for Spur and Helical Gears (B6.7—1956), $1.50
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Air Gaps and Backflow Preventers in Plumbing Systems (A40.4—1943) $2.00
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Cast-Bronze Solder-Joint Pressure Fittings (B16.18—1963), $2.00
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Cast-Iron Pipe Flanges and Flanged Fittings, Class 250 (B16.2—1960), $2.00
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Cast-Iron Screwed Fittings for 125 and 250 Lb (B16.4—1949; reaffirmed 1953), $2.00
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Wrought-Steel and Wrought-Iron Pipe (B36.10—1959), $2.00

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Abbreviations for Scientific and Engineering Terms (Z10.1—1941), $1.00
Illustrations for Publication and Projection (Y15.1—1959), $2.00
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Section 7, Gears, Splines, and Serrations (Y14.7—1958), $2.00
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Section 11, Plastics (Y14.11—1958), $2.00

Section 14, Mechanical Assemblies (Y14.14—1961), $2.00
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Graphical Symbols for Fluid Power Diagrams (Y32.10—1958), $1.50
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Graphical Symbols for Pipe Fittings, Valves, and Piping (Z32.2.3—1949; reaffirmed 1953), $1.00
Graphical Symbols for Heating, Ventilating, and Air Conditioning (Z32.2.4—1949), $1.50
Graphical Symbols for Heat—Power Apparatus (Z32.2.6—1950; reaffirmed 1956), $1.00
Graphical Symbols for Process Flow Diagrams in Petroleum and Chemistry Industries (Y32.11—1961), $1.50
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Nondestructive Testing Symbols (1962), $1.00
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Letter Symbols for Meteorology (Y10.10—1953), $1.50
Letter Symbols for Acoustics (Y10.11—1953; reaffirmed 1959), $1.50
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Letter Symbols for Radio (Y10.9—1953), $1.50
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Glossary of Terms in Nuclear Science and Technology (N1.1—1957), $5.00
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Preferred Standards for Large 3600-RPM 3-Phase 60-Cycle Condensing Steam Turbine Generators and Standard Specification Data for the Generators (1952) (ASME Standard No. 100—1952), $3.00
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Shaft Couplings (B49.1—1947), $1.50
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Surface Texture (B46.1—1962), $2.50
Self-Appraisal Form for Use of Industrial Plants (ASME Standard No. 102—1947), $2.00
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Specifications for Multiple V-Belt Drives (B55.1—1961), $2.00
Specifications for Freight Containers (MH.5.1—1962), $1.50
Plant Layout Templates and Models (ASME Standards No. 103—1949), $1.50
Preferred Standards for the Presentation of Frequency Response Data (ASME Standard No. 107—1955), $1.00
Terminology for Automatic Control (1963), $3.00
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Unified Screw Threads (B1.1—1960), $5.00
Unified Miniature Screw Threads (B1.10—1958), $1.50
Preferred Limits and Fits for Cylindrical Parts (B4.1—1955), $1.50
ASME Screw Thread Manual (1952), $2.50

ASME BOILER AND PRESSURE CODE

1962 Editions of (with Summer and Winter 1963 Addenda):
Power Boilers (Section I), $9.00
Material Specifications (Section II), $17.00
Low-Pressure Heating Boilers (Section IV), $3.00
Suggested Rules for Care of Power Boilers (Section VII), $3.50
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Displacement Pumps (1962), $3.00
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Reciprocating Steam Engines (1949), $2.00
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Speed-Governing Systems for Internal Combustion Engine-Generator Units (1962), $3.00
Speed-Governing Systems for Steam-Turbine Generator Units (1958), $4.00
Stationary Steam Generating Units (1946), $4.00
Steam Condensing Apparatus, (1955), $4.00
Steam Turbines (1949), $5.50
Appendix to Steam Turbine Test Code (1949), $4.00
General Instructions (1945), $2.50
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Instruments and Apparatus

Part 1—General Considerations (1935), $2.00
Part 2—Pressure Measurement (1941), $2.00
Part 3—Temperature Measurement—Chapter 1-9 (1961), $6.00
Part 5—Flow Measurement—Chapter 4 (1959), $6.00
Part 6—Electrical Measurement for Power Circuits (1955), $3.50
Part 7—Measurement of Shaft Horsepower (1961), $4.00
Part 8—Measurement of Indicated Horsepower (1960), $2.00
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SAFETY CODES

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Oil Transportation Piping (B31.4—1959), with 1962 Addendum, $4.00
Gas Transmission and Distribution Piping Systems (B31.8—1963), $4.00
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Practice for Inspection of Elevators (A17.2—1960), $4.00
Safety Code for Jacks (B30.1—1943; reaffirmed 1952), $1.50
Safety Code for Powered Industrial Trucks (B56.1—1959), $2.00
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Safety Code for Mechanical Power-Transmission Apparatus (B15.1—1953; reaffirmed 1958), $3.00

BOOKS AND REPORTS

Problems and Control of Air Pollution (1955), $7.50
Bibliography on Flow of Bulk Materials From Storage (1962), $2.50
Bibliography on Gas Turbines 1896–1948 (1962), $7.50
Compressor Stall, Surge, and Systems Response (1960), $3.50
Creative Engineering (1957), $1.00
Diesel Fuel Oils (1948), $3.50
Definitions of Occupational Specialties in Engineering (1952), $3.50
1956 Design Engineering Conference Proceedings, $5.00
1957 Design Engineering Conference Proceedings, $5.00
1959 Design Engineering Conference Proceedings, $5.00
1960 Design Engineering Conference Proceedings, $5.00
1961 Design Engineering Conference Proceedings, $10.00
Design Data and Methods (1953), $4.00
Diaphragm Characteristics, Design and Terminology (1958), $4.50
Directory of Consulting Engineers (1957), $2.50
Dynamics of Automatic Controls (1948), $6.00
Experimental Techniques in Shock & Vibration (1962), $8.00

Fifty Years' Progress in Management (1960), $12.50
Flow Measurement—PTC 19.5.4 1959, $6.00
Flowmeter Computation Handbook (1961), $10.00
Technical Data on Fuel—1961 $10.00 to ASME members and nonmembers
Fluid Jet Control Devices (1962), $7.50
Fluid Meters, Their Theory and Application (1959), $10.00
Frequency Response (1956), $7.50
Friction and Wear in Machinery (Volumes 11, 12, 13 and 14), $7.50 each
Gantt on Management (1962), $9.00 ($6.00 to ASME members)
General Discussion on Heat Transfer (1951), $10.00
Handbook of Consulting Practice for Mechanical Engineers (1960), $3.00
Handbook for Small Sawmill Operators—1957 $2.50
Heat Processing and Control in Industrial Furnaces and in Fluidized Beds (1961), $2.50
High-Pressure Measurement (1963), $10.95
History of the Boiler Code (1955), $4.00
Homes of Some Engineering Societies (1956), $2.00
Ideas, Inertia, and Achievement (1960), $5.00 (no discount allowed)
International Developments in Heat Transfer, Proceedings of the 1961–62 Heat Transfer Conference (1963), $35.00
International Research in Production Engineering (1963), $25.00
Joint International Conference on Creep (1963), $25.00
Manual on Cutting of Metals (1952), $10.00
Manufacturers of Dust and Fume Control Equipment (1960), $2.50
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Materials Handling Handbook (1958), $20.00
Measurement in Unsteady Flow (1962), $7.50
Mechanical Impedance Methods for Mechanical Vibration (1958), $5.50
Engineering Tables (1956), $17.50
Metals Engineering: Design (1953), $12.00
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Metals Properties (1954), $11.00
Multi-Phase Flow Symposium (1963), $6.50
Nuclear Engineering
  Advances in Nuclear Engineering, 2 volumes (1957), $25.00
  Hot Laboratory Operation and Equipment (1957), $12.00
Oil and Gas Engine Power Cost Report for 1959, 1960, and 1961, $4.00
Power Reactors (1959), $5.00
Principles of Optimalizing Control Systems (1951), $2.00
Proceedings of Joint Conference on Combustion (1955), $12.50
Proceedings of Conference on Fatigue of Metals (1957), $15.00
Proceedings of Conference on Lubrication and Wear (1957), $23.00
Proceedings, 1958 Materials Handling Conference, $5.00
Proceedings of
  1956 Oil and Gas Power Division Conference, $4.00
  1957 Oil and Gas Power Division Conference, $4.00
  1958 Oil and Gas Power Division Conference, $4.00
  1961 Oil and Gas Power Division Conference, $5.00
Proceedings, 1959 International Rubber Conference—$12.50
Progress in International Research on Thermodynamic and Transport Properties (1962), $24.00
Properties of Steam at High Pressures (1956), $1.50
Pressure Vessel and Piping Design (1960), $12.50
Random Vibration in Mechanical Systems (1963), $6.50
Recommended Practices for:
  Design of Marine Propulsion Turbine Lubrication Systems, ASME Std. No. 111 (1960), $1.50
  Cleaning of Turbine Lubrication Systems (1952), $2.00
  Design of Turbine Lubricating Systems, ASME Std. No. 108 (1955), $2.00
Reflections on the Motive Power of Heat, $3.00
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Resistance of Various Materials to Cavitation Damage (1957), $4.00
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Shock and Vibration Instrumentation (1956), $5.00
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Structural Damping (1959), $4.25
Structures for Thermal Flight (1956), $4.00
Symposium on Water Hammer (1933 publication, reprinted 1949), $4.00
The Fourth U. S. National Congress of Applied Mechanics—$40 to ASME members and nonmembers
Theory of Elastic Thin Shells (1961), $15.00
Theory and Fundamental Research in Heat Transfer (1963), $10.00
Theory of Special Casting Methods (Russian Translation) (1962), $8.00
Second U. S. National Congress of Applied Mechanics Proceedings (1955), $20.00 (no discount allowed)
Third U. S. National Congress of Applied Mechanics Proceedings (1958), $25.00 (no discount allowed)
The Role of Viscosity in Lubrication (1960), $4.50
Thermodynamic and Transport Properties of Gases, Liquids, and Solids (1959), $12.50
Unwritten Laws of Engineering (1944), $0.50
Use of Models and Scaling in Shock and Vibration (1963), $6.00
Viscosity of Lubricants Under Pressure (1954), $3.00
Water Hammer in Hydraulics and Wave Surges in Electricity (1961), $15.00
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Professional Amateur—The Biography of Charles Franklin Kettering, $4.50
Scientific Blacksmith—Autobiography of Mortimer E. Cooley, $3.75

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  Series B—*Journal of Engineering for Industry*
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Applied Mechanics Reviews (published monthly) $25.00 to nonmembers and $12.50 to ASME members
Mechanical Engineers Catalog (published annually; distributed to members upon request)
PMM—Journal of Applied Mathematics and Mechanics (an English translation of the Soviet Bimonthly), $35.00 annually to nonmembers and $28.00 to ASME members

ASME Miscellaneous Papers, 1962

THE papers in this list were presented at ASME meetings during 1962 but were not published in the TRANSACTIONS OF THE ASME or in full in *Mechanical Engineering*. They can be consulted in the Engineering Societies Library where photostatic copies may be obtained and quotations will be given upon request.

A

ADAMS, J. H.
Design of a large door for the JPL space simulator. Paper No. 62—WA-300.

ADLER, PHILIP and HAROLD MARGOLIN
Calibration experiments with a tetrahedral-type pressure apparatus. Paper No. 62—WA-314.

AGARWAL, J. C.
Technical considerations of fuel injection into the blast furnace. Paper No. 62—WA-286.

ALABACK, JAMES, DONALD EPPILEK, and JOHN DIETRICH
The Whirlpool clothes dryer redesign.

ANDERSON, J. H.
Internal bearings in centrifugal gas compressors. Paper No. 62—WA-179.

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